

FORM PTO-1449/A and B (Modified)		APPLICATION NO.: 10/021,740		ATTY. DOCKET NO.: M0925.70108US00	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		FILING DATE: October 22, 2001		CONFIRMATION NO.: 1110	
		APPLICANT: Yet-Ming Chiang, et al.			
		GROUP ART UNIT: 1745		EXAMINER: Maples, John S.	
Sheet	1	of	2		

U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
J	A14	4,758,483		Armand et al.	07-19-1988
	A15	6,231,779	B1	Chiang et al.	05-15-2001
	A16	6,599,662	B1	Chiang et al.	07-29-2003
	A17	2002/0036282	A1	Chiang et al.	03-28-2002
	A18	2002/0048706	A1	Mayes et al.	04-25-2002
	A19	2003/0099884	A1	Chiang et al.	05-29-2003
	A20	2004/0005265	A1	Chiang et al.	01-08-2004

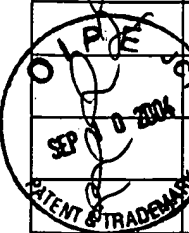
FOREIGN PATENT DOCUMENTS

Examiner's Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document (not necessary)	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/ Country	Number	Kind Code			
J	B3	JP	7101728	A	Tosoh Corp	04-18-1995	
	B4	JP	9022693	A	Matsushita Electric Ind Co Ltd	01-21-1997	
	B5	WO	98/12761	A1	Valence Technology, Inc.	03-26-1998	
	B6	WO	98/16960	A2	Massachusetts Institute of Technology	04-23-1998	
	B7	WO	99/56331	A1	Massachusetts Institute of Technology	11-04-1999	
	B8	WO	99/33129	A1	Stanford Res Inst Int (US)	07-01-1999	
	B9	WO	00/41256	A1	Massachusetts Institute of Technology	07-13-2000	
	B10	WO	01/77501	A2	Massachusetts Institute of Technology	10-18-2001	
	B11	WO	02/43168	A2	Massachusetts Institute of Technology	05-30-2002	
	B12	WO	03/012908	A2	Massachusetts Institute of Technology	02-13-2003	
	B13	WO	03/056646	A1	Massachusetts Institute of Technology	07-10-2003	

OTHER ART — NON PATENT LITERATURE DOCUMENTS

Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
J	C1	BOURIDAH, A. et al., "Poly(Dimethylsiloxane)-Poly(Ethylene Oxide) Based Polyurethane Networks Used as Electrolytes in Lithium Electrochemical Solid State Batteries," <i>Solid State Ionics</i> , 15 (1985) pp. 233-240 (no month)	
	C2	CHIANG, Y.-M. et al., "High Capacity, Temperature-Stable Lithium Aluminum Manganese Oxide Cathodes for Rechargeable Batteries," <i>Electrochem Sol St Lett</i> , 2 (3) (1999) pp. 107-110 (no month)	
	C3	IDOTA, Y. et al., "Tin-Based Amorphous Oxide: A High-Capacity Lithium-Ion-Storage Material," <i>Science</i> , Vol. 276 (30 May 1997) pp. 1395-1397	
	C4	Le CRAS, F. et al., "Lithium intercalation in Li-Mg-Mn-O and Li-Al-Mn-O spinels," <i>Solid State Ionics</i> , 89 (1996) pp. 203-213 (no month)	
	C5	LIMTHONGKUL, P. et al., "Nanocomposite Li-Ion Battery Anodes Produced by the Partial Reduction of Mixed Oxides," <i>Chem Mat</i> , 13 (2001) pp. 2397-2402 (no month)	
	C6	MATSUMOTO, Osamu et al., "Vaporization of Graphite in Plasma Arc and Identification of C60 in the Deposit," <i>J. Electrochem. Soc.</i> , Vol. 139, No. 1, January 1992	
	C7	MINETT, M.G. et al., "Polymeric Insertion Electrodes," <i>Solid State Ionics</i> , 28-30 (1988), pp. 1192-1196 (no month)	

2 of 2

	C8	NAGAOKA, K. et al, "High Ionic Conductivity in Poly(dimethyl Siloxane-co-Ethylene Oxide) Dissolving Lithium Perchlorate," Dept. of Chemistry, Sophia University, pp 659-663 (No date)		
	C9	OHZUKU, Tsutomu et al., "Synthesis and Characterization of $\text{LiAl}_{1/4}\text{Ni}_{3/4}\text{O}_2$ (R3m) for Lithium-Ion (Shuttlecock) Batteries," J. Electrochem. Soc., Vol. 142, No. 12, December 1995, pp. 4033-4039		
	C10	International Search Report for International Application No. PCT/US 01/48345, mailed 2/20/03		
	C11	Written Opinion for International Application No. PCT/US 01/48345, mailed 8/22/03		
	C12	International Preliminary Examination Report for International Application No. PCT/US 01/48345, mailed 2/25/04		

EXAMINER <i>John</i>	DATE CONSIDERED 4-5-07
----------------------	---------------------------

#EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

*a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. __, filed __, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).

JUN 20 2005

FORM PTO-1449/A and B (Modified)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

APPLICATION NO.: 10/021,740

ATTY. DOCKET NO.: M0925.70108US00

FILING DATE: October 22, 2001

CONFIRMATION NO.: 1110

APPLICANT: Yet-Ming Chiang et al.

GROUP ART UNIT: 1745

EXAMINER: John S. Maples

Sheet

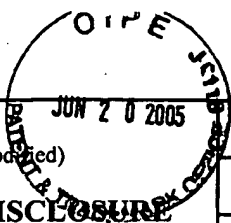
1

of

3

U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM/DD/YYYY
		Number	Kind Code		
		4,245,016		Rampel	01/13/1981
		4,668,596		Shacklette et al.	05/26/1987
		4,889,777		Akuto	12/26/1989
		5,187,209		Hirai et al.	02/16/1993
		5,213,895		Hirai et al.	05/25/1993
		5,436,093		Huang et al.	07/25/1995
		5,624,605		Cao et al.	04/29/1997
		5,677,080		Chen	10/14/1997
		5,714,053		Howard et al.	02/03/1998
		5,733,683		Searson et al.	03/31/1998
		5,759,714		Matsufuji et al.	06/02/1998
		5,789,100		Burroughs et al.	08/04/1998
		5,834,136		Gao et al.	11/10/1998
		5,897,522		Nitzan	04/27/1999
		5,902,689		Vleggar et al.	05/11/1999
		5,925,283		Taniuchi et al.	07/20/1999
		6,096,454		Tran et al.	08/01/2000
		RE 36,843		Lake et al.	08/29/2000
		6,120,940		Poehler et al.	09/19/2000
		6,136,476		Schutts et al.	10/24/2000
		6,174,623		Shackle	01/16/2001
		6,300,016		Jan et al.	10/09/2001
		6,306,540		Hiroi et al.	10/23/2001
		6,337,156		Narang et al.	01/08/2002
		6,528,033		Barker et al.	03/04/2003
		2001/0005558		Yoshioka et al.	06/28/2001
		2001/0005562		Yoshioka et al.	06/28/2001
		2001/0007726		Yoshioka et al.	07/12/2001
		2002/0015278		Fukuyama et al.	02/07/2002
		2002/0074972		Narang et al.	06/20/2002
		2002/0192137		Chaloner-Gill et al.	12/19/2002
		2002/0195591		Ravet et al.	12/26/2002
		2003/0082446		Chiang et al.	05/01/2003
		2003/0099884		Chiang et al.	05/29/2003



FORM PTO-1449/A and B (Modified)		APPLICATION NO.: 10/021,740	ATTY. DOCKET NO.: M0925.70108US00
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		FILING DATE: October 22, 2001	CONFIRMATION NO.: 1110
		APPLICANT: Yet-Ming Chiang et al.	
		GROUP ART UNIT: 1745	EXAMINER: John S. Maples
Sheet	2	of	3

FOREIGN PATENT DOCUMENTS

Examiner's Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document (not necessary)	Date of Publication of Cited Document MM/DD/YYYY	Translation (Y/N)
		Office/Country	Number	Kind Code			
J		CA	2,270,771		Hydro-Quebec	10/30/2000	Y
		EP	1 231 651		Sanyo Electric Co., Ltd.	08/14/2002	
		EP	1 231 653		Sanyo Electric Co., Ltd.	08/14/2002	
		JP	04-58455			02/25/1992	Abstract

OTHER ART — NON PATENT LITERATURE DOCUMENTS

Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
J		ALESHIN, A.N. et al., "Transport Properties of Poly (3,4-Ethylenedioxythiophene)/Poly (Styrenesulfonate)," Synthetic Metals 94:173 (1998). (NO MONTH)	
		ARBIZZANI et al., "Li _{1.03} Mn _{1.97} O ₄ Surface Modification by Poly (3,4-Ethylenedioxythiophene)," Poster presented at 11 th Intl. Meeting on Lithium Batteries, June 23-28, 2002, Monterey, CA.	
		ARMAND, M.B. et al., "Poly-Ethers as Solid Electrolytes," Proceedings of the Intl. Conference on Fast Ion Transport in Solids, Electrodes and Electrolytes," Lake Geneva, WI, 131-136 (1979). (MAY)	
		CHIANG, Y. et al., "High Capacity, Temperature-Stable Lithium Aluminum Manganese Oxide Cathodes for Rechargeable Batteries," Electrochem. and Solid-State Lett. 2(3):107 (1999). (NO MONTH)	
		ELLIOTT, S.R., "Physics of Amorphous Materials," Longman Group Limited. (1983) (NO MONTH)	
		FRENCH, R.H. et al., "Full Spectral Calculation of Non-Retarded Hamaker Constants for Ceramic Systems from Interband Transition Strengths," Solid State Ionics 75:13 (1995). (NO MONTH)	
		FRENCH, R.H. et al., "Origins and Applications of London Dispersion Forces and Hamaker Constants in Ceramics," J. Am. Ceram. Soc. 83(9):2117 (2000). (SEPTEMBER)	
		GHOSH, S. et al., "Supramolecular Self-Assembly for Enhanced Conductivity in Conjugated Polymer Blends: Ionic Crosslinking in Blends of Poly(3,4-Ethylenedioxythiophene)-Poly(Styrenesulfonate) and Poly(vinylpyrrolidone)," Adv. Mater. 10(14):1097 (1998). (NO MONTH)	
		GRAY, F.M., "Solid Polymer Electrolytes," VCH Publishers Inc. (1991). (NO MONTH)	
		HART, B. W., et al., "3-D Microbatteries," Electrochemistry Communications 5:120 (2003). (NO MONTH)	
		IDOTA, Y. et al., "Tin-Based Amorphous Oxide: A High-Capacity Lithium-Ion-Storage Material," Science 276:1395 (1997). (MAY)	
		KUWABATA, S. et al., "Charge-Discharge Properties of Composites of LiMn ₂ O ₄ and Polypyrrole as Positive Electrode Materials for 4 V Class of Rechargeable Li Batteries," Electrochimica Acta 44:4593 (1999). (NO MONTH)	
		LIMTHONGKUL, P. et al., "Nanocomposite Li-Ion Battery Anodes Produced by the Partial Reduction of Mixed Oxides," Chem. Mater. 13:2397 (2001). (NO MONTH)	
		LONG, J.W., et al., "Three-Dimensional Battery Architectures," Chem. Rev. 104:4463 (2004). (NO MONTH)	
		MILLING, A. et al., "Direct Measurement of Repulsive Van Der Waals Interactions Using an Atomic Force Microscope," J. Colloid & Interface Science 180:460 (1996). (NO MONTH)	
		NEUMANN et al., "Negative Hamaker Coefficients," Colloid and Polymer Science 257(4):414 (1979). (APRIL)	
		OHZUKU, T. et al., "Synthesis and Characterization of LiAl _{1/4} Ni _{3/4} O ₂ (R3m) for Lithium-Ion (Shuttlecock) Batteries," J. Electrochem. Soc. 142(12):4033 (1995). (DECEMBER)	
		VAN OSS, C.J. et al., "Applications of Net Repulsive Van Der Waals Forces Between Different Particles, Macromolecules or Biological Cells in Liquids," Colloids and Surfaces 1:45 (1980). (NO MONTH)	
		VAN OSS, C.J. et al., "Comparison Between Antigen-Antibody Binding Energies and Interfacial Free Energies," Immunological Communications 6(4):341 (1977). (NO MONTH)	



FORM PTO-1449/A and B (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT				APPLICATION NO.: 10/021,740		ATTY. DOCKET NO.: M0925.70108US00	
				FILING DATE: October 22, 2001		CONFIRMATION NO.: 1110	
				APPLICANT: Yet-Ming Chiang et al.			
				GROUP ART UNIT: 1745		EXAMINER: John S. Maples	
Sheet	2	of	3				

<i>J</i>		VAN OSS, C.J. et al., "Repulsive Van Der Waals Forces. I. Complete Dissociation of Antigen-Antibody Complexes by Means of Negative Van Der Waals Forces," Immunological Communications 8(1):11 (1979). <i>(NO MONTH)</i>		
<i>J</i>		VAN OSS, C.J. et al., "Repulsive Van Der Waals Forces. II Mechanism of Hydrophobic Chromatography," Separation Science and Technology 14(4):305 (1979). <i>(NO MONTH)</i>		
<i>J</i>		WANG, C. et al., "All Solid-State Li/Li _x MnO ₂ Polymer Battery Using Ceramic Modified Polymer Electrolytes," J. Electrochemical Soc. 149(8):A967 (2002). <i>(NO MONTH)</i>		
<i>J</i>		Ep. App. No. 01 988 312.3 - 2119, "Communication pursuant to Article 96(2) EPC," mailed 3/9/2005		

EXAMINER: <i>John</i>	DATE CONSIDERED: <i>4/4/05</i>
--------------------------	-----------------------------------

#EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

*a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. __, filed __, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).

[NOTE - The Office hereby waives the requirement under 37 CFR 1.98 (a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication for all U.S. national patent applications filed after June 30, 2003 and for all international applications that have entered the national stage under 35 USC 371 after June 30, 2003. See 37 CFR 1.491(b). For all patent applications filed on or before June 30, 2003, copies of cited U.S. patents and patent application publications are still required unless an IDS is filed. Copies of all other patent(s), publication(s), or other information listed must still be provided, even if it was previously submitted to, or cited by, the U.S. Patent Office in an earlier application, unless the earlier application is identified by the IDS and is relied upon for an earlier filing date under 35 U.S.C. §120, and the copy was provided in the earlier application.]